



United States Department of Agriculture  
Natural Resources Conservation Service

Conservation Stewardship Program  
2012 Ranking Period 1

## **WQL13 – Delaware Supplement– REVISED 2/23/12**

### **High Level Integrated Pest Management to Reduce Pesticide Environmental Risk – (Water Quality Enhancement Activity)**

#### **Delaware Clarification**

A certified crop advisor or equivalent professional is required to develop the Integrated Pest Management (IPM) plan and implement this enhancement. USDA-NRCS Win-PST will be run for all applied chemicals. IPM plan it must be reviewed by NRCS in the initiation year. All participants must participate in the DDA, Ag Container Recycling Program.

#### **Delaware Specifications**

1. Written IPM plan and implementation of activities that include:
  - Prevention:
    - a) Pest-free seeds and transplants
    - b) Cleaning equipment between fields
    - c) Irrigation management to prevent disease (irrigated land only).
  - Avoidance:
    - a) Pest-free seeds and transplants
    - b) Cleaning equipment between fields
    - c) Irrigation management to prevent disease (irrigated land only).
  - Monitoring:
    - a) Field scouting
    - b) Soil testing
  - Suppression:
    - a) Techniques such as cultural, biological and low risk chemical control methods, used judiciously to reduce or eliminate a pest population or its impacts while minimizing risks to non-target organisms.
2. A minimum mitigation index score of  $\geq 45$  for the identified environmental risk but not less than specified by NRCS Agronomy Technical Note #5.
3. Mitigation index scores are quantified using NRCS Agronomy Technical Note #5.

#### **Incompatible Enhancements**

This enhancement may not be contracted with the following enhancements:  
ANM21, SOE03, WQL20, WQL21

#### **Eligible Land**

Cropland

### **Applicable Amount**

Acres of annually cropped lands only.

### **Example (System)**

The applicable acres are any cropland acreage. If a participant has 2500 acres of cropland and he/she was willing to incorporate High Level Integrated Pest Management to Reduce Pesticide Environmental Risk on all the cropland acres, the applicable acres would be 2500 acres and the applied acres would be 2500, commencing in Year 2. IPM plan will cover all acres identified each year of the contract. The Toolkit plan would look like the following:

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
<b>WQL13</b>	0	2500	2500	2500	2500

### **Delaware Integrated Pest Management Plan Requirements**

1. Farm and field information including producer, farm, tract and field numbers and boundaries, planned rotation, consultant, and plan date;
2. Objectives of the producer, which includes one of the purposes of the standard;
3. Soils map and soil interpretation/description of the managed site; Indicate sensitive resources and setbacks, if applicable. Show all streams, tax ditches, and watercourses and water bodies on map.
4. Interpretation of the environmental risk analysis.
5. Identification of appropriate mitigation techniques. For identified water quality concerns related to pesticide leaching, solution runoff, and adsorbed runoff, the current version of the USDA-NRCS WIN-PST program will be used to evaluate potential risks to humans and/or fish, as appropriate, for each pesticide to be used. See Agronomy Technical Note 5 – Table 1 and 2 for pesticide risk mitigation analysis.
6. A list of pest prevention and avoidance strategies that will be implemented.
7. A scouting plan for each crop that includes scouting guidelines based on plant's stage of growth. Include scouting methods and pest thresholds that warrant treatment.  
See <http://ag.udel.edu/extension/IPM/index.html>
8. Other monitoring plans, if applicable, such as weather monitoring to indicate when pesticide application for prevention is warranted.

### **Documentation Requirements**

1. A description of the high level IPM system that is utilized on all of the offered acres. This description should include each of the following items:
  - a. Pest prevention techniques
  - b. Pest avoidance techniques
  - c. Pest monitoring (scouting) techniques
  - d. Economic pest thresholds
  - e. Pesticide environmental risk analysis tool that was utilized (e.g., the USDA-NRCS Windows Pesticide Screening Tool – WIN-PST)
  - f. Pesticide application records with the specific management techniques that were utilized to reduce pesticide environmental risk (i.e., spot treatment, banding, pheromone traps, pesticide incorporation, etc.)

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

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Contract participant

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Date